ABSTRACT OF THE INVENTION

[000172] The present invention relates to a novel class of anti-cancer compounds, which contain a haloacetamide or azide moiety and are, in one embodiment, alkylating agents. These agents, either alone or in a composition, are useful for treating cancer, preventing cancer, delaying the progression of cancer, treating and/or preventing the recurrence of cancer, suppressing, inhibiting or reducing the incidence of cancer, or inducing apoptosis in a cancer cell. Accordingly, the present invention provides a) methods of treating cancer in a subject; b) methods of preventing cancer in a subject; c) methods of delaying the progression of cancer in a subject; d) methods of treating the recurrence of cancer in a subject; e) methods of preventing the recurrence of cancer in a subject; f) methods of suppressing, inhibiting or reducing the incidence of cancer in a subject; and g) methods of inducing apoptosis in a cancer cell; by administering to the subject an anti-cancer compound of the present invention or an analog or metabolite thereof, its N-oxide, ester, pharmaceutically acceptable salt, hydrate, or any combination thereof as described herein.